

ABSTRACT

A sensing system includes a plurality of probes arranged in a spaced relation around a stage that is adapted to support a substrate. Each probe includes a detection
5 portion adapted to move from a known starting position toward an edge of the substrate that is supported by the stage; detect the edge of the substrate while the substrate is supported by the stage; generate a detection signal following said detection; and stop moving toward the edge of
10 the substrate following said detection. A controller may determine an edge position of the substrate relative to the stage based on the known starting position of each detection portion and based on the detection signal generated by each detection portion. Numerous other aspects are provided.